

# Year 12 Transition

Welcome to Nailsea Sixth Form



KS5 Subject: **Maths** (including Further Maths)

## Objectives for Transition Tasks:

- To start to develop expected 6<sup>th</sup> form study skills, including independence
- To culture an interest and passion for your chosen subject through enquiry
- To learn core concepts of the subject to use in your studies

## Watch:

Information about the transition to A-level maths:

<https://youtu.be/NP0NhAgSMk8>

Why study Maths? A student's perspective:

<https://amsp.org.uk/resource/advanced-maths-experiences>

Tutorials to support with the transition between GCSE and A-level:

<https://amsp.org.uk/resource/gcse-alevel-transition-resources>  
<https://alevelmathsrevision.com/bridging-the-gap/>



## Read:

How Maths is used in the real world:

<https://mathigon.org/applications>

The History of Maths:

<https://mathigon.org/timeline>



## Independent Task (to be submitted):

Complete the "Transition to A-level Maths" booklet. You need to have a good knowledge of the topics in this booklet before you commence your course in September. You should have met all the topics before at GCSE.

Work through what you need to from each chapter, making sure that you understand the examples. Then tackle the exercise to ensure you understand the topic thoroughly.

The answers are at the back of the booklet. You will need to be organised so keep your work in a folder and mark any queries to ask at the beginning of term.

At the beginning of September, you will have an induction test to check how well you have understood these topics.



## Aim Higher Task:

Fractions, a connection between Biology and Maths: <https://www.youtube.com/watch?v=hLGDJFGAmic>

Irrational numbers and Art: <http://www.idlewis.com/Teaching-Mathematics-with-Art/documents/MTMS2007-04-442a.pdf>

Imaginary numbers in the real world: <https://www.bbc.co.uk/programmes/p058y4cy>

Conic sections: <https://mathigon.org/course/circles/conic-sections>



**DEADLINE FOR TRANSITION TASK:** Please bring to your first lesson in September.